WMO OMM

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Annex:	1	

Subject: Call for proposals: WMO Global Campus Innovations – 2nd edition

Dear Sir/Madam,

       In response to the rapid technological, social and environmental changes impacting WMO Members, the WMO education and training community is responding with a wide variety of solutions to meet knowledge and skill development gaps. The WMO Education and Training Office invites you to consider the attached *Call for proposals* for an upcoming publication dedicated to sharing experiences in applying these new solutions.

       We hope all interested ETRP partners will consider submitting one ore more proposals for this important new publication.

Yours faithfully,

Dr Yinka Adebayo
Director
Education and Training Office

To: Education and Training Programme Partners

Call for Proposals
WMO Global Campus Innovations, 2nd Edition:
New Directions for Education and Training

Purpose:

One of the primary goals of the WMO Global Campus initiative, which was approved with Resolution 72, WMO Congress-18 (CG-18), is the development of a coordinated and collaborative network of institutions providing education and training opportunities to WMO Members. A key thematic area of the WMO Global Campus initiative, as described in the Global Campus Road Map, is encouraging the adoption of new curriculum advances and training practices that will foster effective learning outcomes and increase the reach and impact of the limited training capacity that exists.

In 2020 the first edition of the WMO Global Campus Innovations was published. The thirty-nine papers it contains, describing innovative approaches to meeting the education and training needs of WMO Members, were all produced in 2019. That was before the outbreak of the Covid pandemic and a global-scale lockdown, before the release of ChatGPT, the new large-language model AI tool that has led to speculation about a more rapid immergence of AI in work and learning places, and in the middle of the eight hottest years on record, a streak that is expected to extend to nine years at the end of 2023, bringing with it an unprecedented series of severe weather and climate disasters.

The world in which meteorologists, hydrologists and related professionals work and are educated and trained continues its rapid change. For this reason, it is time to again take stock of the innovative approaches that education and training professionals are applying to the needs of their constituencies.

We are confronted by many questions about the directions in which education and training will evolve:

- How has the subsidence, but not complete eradication, of the Covid pandemic altered our instructional methods and logistics? Has there been a return to past norms with new enthusiasm, or do we now take advantage of good practices learned from the innovations forced upon us to help in the post Covid era?

- How has the rapidly progressing impacts of climate change and accompanying severe weather changed job performance needs, and therefore education and training needs?

- How is the evolution of operational systems, like enhanced NWP and improved and more cost-effective observations instruments, changing the role of forecasters and the skill requirements of new staff to take on these roles?

- How are educators and trainers reacting to the opportunities or perceived threats from the unexpected successes in large language models and other Artificial Intelligence? Given its growing successes in mining and presenting useful information and intelligently constructing responses and explanations, what are its impacts to teaching, content development, learning interactions and student evaluation methods? How might the role of teachers and trainers be altered in positive ways?

- What will be the impacts of AI on job performance requirements and the education and training to prepare the workforce for this new environment?

- How has the demand for increasingly sophisticated teleconferencing systems changed the capabilities for synchronous distance learning and expanding the reach of education and training?

- How have other advances in technology, both learning and performance technologies, altered the learning needs and opportunities of students and new staff members?

- How can we bridge the increasing gaps in education and training opportunities among the nations of the world to develop sufficient professionals to meet growing needs?

In keeping with the concept of a WMO Global Campus as a community of practice, WMO is initiating the publication of a new volume of short papers describing case studies of innovations implemented by partners in the Education and Training Programme (ETRP). Our goal is that through this volume we will inspire each other to try new methods and implement new types of courses that effectively fill education and training gaps.

Appropriate contributions:

We are seeking short papers from WMO Members to become chapters in the final publication. Appropriate contributions would include papers describing innovations involving:

- Introduction of new teaching/learning delivery modes
- Application of new learning technologies
- Innovative use of teaching methods to improve learning
- Methods to enhance the long-term impacts of training
- Use of new evaluation techniques, particularly those used to measure long-term impacts
- Methods to increase the reach of teaching/training to more learners
- New methods to certify and demonstrate learning achievements
- Training needs assessment processes
- New efforts to implement training associated with WMO Competency Frameworks
- Training designed to address new and emerging content areas
- Implementation of new organizational training and learning processes
- Collaborative efforts to increase efficiency and leverage expertise
- Other related topics you might propose that fit the general themes of the Global Campus

Proposals for short papers (to be expanded in the final paper):

- 500 words maximum
- State the need or problem that was addressed or the improvement sought
- Describe the innovation and what makes it unique for your organization
- Describe the results, including any learning assessment and training evaluation outcomes
- Any other supporting information, such as plans or recommendations for further implementation
- Deadline for submission: 29 February 2024

Format for final submission:

- 3000-3500 words maximum
- Describe the need, problem or improvement that was addressed by the innovation
- Provide the theoretical basis or the source of the idea for the innovation
- Describe the innovation and what makes it unique for your organization
- Describe the challenges faced in implementation
- Report on training evaluation results
- Report on learning assessment outcomes or plans for assessment
- Recommendations for further implementation

- Links to resulting resources, if available
- Deadline for submission: 14 June 2024

Deadlines:

- Submission of Proposals (500 words): No later than 29 February 2024
- Notification of selection of proposals for publication: 5 April 2024
- Final draft chapter submissions due (3000-3500 words): No later than 14 June 2024
- Review and revision cycle: Through 31 October 2024, as required
- Complete publication preparation: Submit to WMO Publications Branch December 2024
- Expected publication: Early-to-mid 2025, as WMO scheduled publications allows

Submitting your proposal:

We welcome proposals from all interested WMO education and training partners.
Proposals should be emailed to tra@wmo.int Please include:

- Author(s) name(s), affiliation(s), and email address
- Title and text of proposal (500 words).

You will be contacted about the acceptance of proposals after the first review period, by
5 April 2024. Efforts will be made to ensure broad representation.